

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-12. (Canceled)

13. (Currently Amended) A liquid for application used in a liquid film forming method of dropping the liquid adjusted to be spread into a give amount on a substrate to be processed from a dropping nozzle or dropping nozzles of a dropping unit onto the substrate, and then moving the dropping unit and the substrate relatively while keeping the liquid dropping on the substrate, so as to form a liquid film on the substrate, comprising a solvent, an application agent, and a surfactant,

wherein the ratio of the surfactant to the solvent and the application agent is adjusted in such a manner that when a minute amount of the liquid is dropped onto a minute area of the substrate, a change amount of a contact angle of the liquid to the substrate is within $[[\pm]] \pm 2$ degrees during a time from 5 seconds to 60 seconds after the dropping of the liquid.

14. (Currently Amended) A liquid film forming method of dropping a liquid ~~adjusted to be spread into a give amount on a substrate to be processed~~ from a dropping nozzle or dropping nozzles of a dropping unit onto ~~[[the]]~~ a substrate, and ~~then moving the dropping unit and the substrate relatively~~ providing relative movement between the dropping unit and the substrate to change a dropping point of the substrate while keeping the liquid dropping on the substrate, so as to form a liquid film on the substrate,

~~wherein the relative movement of the dropping unit and the substrate is composed of straight movement along a file direction in which the dropping unit passes from one end side of the substrate through an upper space of the substrate to the other end side of the substrate, and movement along a rank direction outside the substrate, or is composed of spiral movement in which the dropping unit goes from the substantial center of the substrate to the periphery thereof or from the periphery of the substrate to the substantial center thereof, and~~

a dropping area is defined in such a manner that when the liquid film is spread by its fluidity, the liquid does not extend over a boundary step of the substrate film in the edge area of the substrate.

15. (Original) A liquid film forming method of dropping a liquid adjusted to be spread into a give amount on a substrate to be processed from a dropping nozzle or dropping nozzles of a dropping unit onto the substrate, and then moving the dropping unit and the substrate relatively while keeping the liquid dropping on the substrate, so as to form a liquid film on the substrate,

wherein the relative movement of the dropping unit and the substrate is composed of straight movement along a file direction in which the dropping unit passes from one end side of the substrate through an upper space of the substrate to the other end side of the substrate, and movement along a rank direction outside the substrate, or is composed of spiral movement in which the dropping unit goes from the substantial center of the substrate to the periphery thereof or from the periphery of the substrate to the substantial center thereof, and

relationship between the distance from a dropping start position along the rank direction to a boundary step of the edge of the substrate and that from a dropping finish position along the rank direction to the boundary step of the edge thereof is set so that the former distance is large and the latter distance is small, and the distance between an end of the liquid film along the file direction and the boundary step of the edge is set so as to gradually become smaller from the dropping start position to the dropping finish position.

16. (Original) The liquid film forming method according to claim 15, wherein the distance between the end of the liquid film and the boundary step of the edge is decided dependently on such a distance that the liquid flows on the substrate after the dropping of the liquid on the substrate.

17. (Original) The liquid film forming method according to claim 15, wherein the distance between the end of the liquid film and the boundary step of the edge is defined as a distance that the end of the liquid film reaches the end of the substrate by flow.

18. (Original) A liquid film forming method of dropping a liquid adjusted to be spread into a give amount on a substrate to be processed from a dropping nozzle or dropping nozzles of a dropping unit onto the substrate, and then moving the dropping unit and the substrate relatively while keeping the dropped liquid on the substrate, so as to form a liquid film on the substrate,

wherein the relative movement of the dropping unit and the substrate is composed of straight movement along a file direction in which the dropping unit passes from one end side of the substrate through an upper space of the substrate to the other end side of the substrate, and movement along a rank direction outside the substrate, or is composed of

spiral movement in which the dropping unit goes from the substantial center of the substrate to the periphery thereof or from the periphery of the substrate to the substantial center thereof, and

the thickness of the liquid film is decided in the manner that the liquid film formed on the substrate flows to an extent which is substantially decided by gravitation applied to the liquid film.

19. (Original) The liquid film forming method according to claim 18, wherein the thickness of the liquid film is set to 20 μm or less.

20. (New) The liquid forming method according to claim 14, wherein the relative movement of the dropping unit and the substrate is composed of straight movement along a file direction in which the dropping unit passes from one end side of the substrate through an upper space of the substrate to the other end side of the substrate, and movement along a rank direction perpendicular to the file direction outside the substrate.

21. (New) The liquid film forming method according to claim 20, wherein relationship between the distance from a dropping start position along the rank direction to a boundary step of the edge of the substrate and that from a dropping finish position along the rank direction to the boundary step of the edge thereof is set so that the former distance is large and the latter distance is small, and the distance between an end of the liquid film along the file direction and the boundary step of the edge is set to gradually become smaller from the dropping start position to the dropping finish position.

22. (New) The liquid film forming method according to claim 21, wherein the distance between the end of the liquid film and the boundary step of the edge is decided dependently on such a distance that the liquid flows on the substrate after the dropping of the liquid on the substrate.

23. (New) The liquid film forming method according to claim 21, wherein the distance between the end of the liquid film and the boundary step of the edge is defined as a distance that the end of the liquid film reaches the end of the substrate by flow.

24. (New) The liquid film forming method according to claim 14, wherein the relative movement of the dropping unit and the substrate is composed of spiral movement in which the dropping unit goes from the substantial center of the substrate center thereof.

25. (New) The liquid film forming method according to claim 14, wherein the dropping the liquid is performed by using a capillary phenomenon.